



US 20210118349A1

(19) United States

(12) Patent Application Publication

Choi et al.

(10) Pub. No.: US 2021/0118349 A1

(43) Pub. Date: Apr. 22, 2021

## (54) ELECTRONIC DISPLAY CROSS-TALK COMPENSATION SYSTEMS AND METHODS

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(21) Appl. No.: 17/016,282

(22) Filed: Sep. 9, 2020

## Related U.S. Application Data

(60) Provisional application No. 62/923,373, filed on Oct. 18, 2019.

## Publication Classification

- (51) Int. Cl.  
*G09G 3/20* (2006.01)  
*G06F 3/044* (2006.01)
- (52) U.S. Cl.  
CPC ..... *G09G 3/20* (2013.01); *G09G 2320/0209* (2013.01); *G06F 3/0443* (2019.05)

## (57) ABSTRACT

An electronic display may include pixel circuitry to display an image based on image data compensated for voltage variations within the pixel circuitry. Image processing circuitry may generate a compensation value to compensate the image data for cross-talk (e.g., electromagnetic coupling between an electrode of touch sensor circuitry and an electrode of the pixel circuitry) that may cause the voltage variations. Additionally or alternatively, the image processing circuitry may generate another compensation value to compensate the image data for another cross-talk (e.g., electromagnetic coupling between two electrodes of the pixel circuitry). The image processing circuitry may generate the compensated image data based on the first compensation value and/or the second compensation value.

